



State of Louisiana

Department of Environmental Quality



KATHLEEN BABINEAUX BLANCO
GOVERNOR

MIKE D. McDANIEL, Ph.D.
SECRETARY

Certified Mail No.:

Activity No.: PER20020003

Agency Interest No.: 9145

Mr. Marshall D. Byrd
Vice President and General Manager
Lockheed Martin
Michoud Operations
P. O. Box 29304
New Orleans, LA 70189-9304

RE: Permit modification, Primary Production Processes, Michoud Assembly Facility,
Lockheed Martin – Space Systems Company, New Orleans, Orleans Parish, Louisiana

Dear Mr. Byrd:

This is to inform you that the permit request for the above referenced facility has been approved under LAC 33:III.501. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets, and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

The permit number cited below and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2006.

Permit No.: 2740

Sincerely,

DRAFT
FOR
PUBLIC
NOTICE

Chuck Carr B
Assistant Secy

CCB:AHG

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
LOCKHEED MARTIN - SPACE SYSTEMS COMPANY
MICHOUD ASSEMBLY FACILITY
PRIMARY PRODUCTION PROCESSES AND SLA PREPARATION & APPLICATION PROCESSES
PROPOSED INITIAL MINOR (STATE) AIR OPERATING PERMITS

The LDEQ, Office of Environmental Services, is accepting written comments on proposed initial minor (state) air operating permits for Lockheed Martin - Space Systems Company, P. O. Box 29304, New Orleans, LA 70189-9304 for the Michoud Assembly Facility (MAF) / Primary Production Processes and SLA Preparation & Application Processes. **The facility is located at 13800 Old Gentilly Road in New Orleans, Orleans Parish.**

Lockheed Martin - Space Systems Company (Lockheed Martin), a fully owned subsidiary of Lockheed Martin Corporation, is the operator of the NASA-owned Michoud Assembly Facility (MAF) in New Orleans, Orleans Parish. MAF is a component installation of the George C. Marshall Space Flight Center (MSFC) in Huntsville, Alabama.

The current primary activity at MAF is to support the continuing development and operations of the United States Space Transportation System. For permitting convenience the site has been separated into four contiguous areas individually permitted, these are: the Utility Point Sources, the Groundwater Air Stripper, the Primary Production Processes, and the SLA (Super Light Ablator) Preparation and Application Processes.

Lockheed Martin requested initial minor (state) air operating permits for the Primary Production Processes and the SLA Preparation & Application Processes.

Primary Production Processes

Lockheed martin proposes the following actions for the Primary Production Processes:

1. Scale down the production from 10 External Fuel Tanks (ET)/yr to 7.5 ET.
2. Install a new fume hood in Cell K of Building 114. This hood, Primer Mix Fume Hood Emission Point 1123, will be used to exhaust the fumes from the mixing of small amounts of primer for touch up applications which currently vents through another hood into Building 114, Emission Point 3093.
3. Reduce the minimum temperature at the afterburner of the thermal oxidizer, Emission Point 3003, from 1400 °F to 1350 °F.
4. Incorporate the emissions from the latest modifications and limitations.

The permitted emissions in tons per year for the Primary Production Processes are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	0.13	3.93	+ 3.80
SO ₂	<0.01	<0.01	-
NO _x	1.32	0.75	- 0.57
CO	0.33	0.45	+ 0.12
VOC	26.88	22.53	- 4.35
Total TAPs ¹	13.50	10.40	- 3.10

¹Includes 7.30 tons of methyl ethyl ketone (MEK).

SLA Preparation & Application Processes

The facility proposes the following changes for the SLA Preparation & Application Processes:

1. Report the emissions from Building 318 under, Emission Point 3318, the common vent of thermal oxidizers 3001 and 3002, rather than under Emission Point 3001.
2. Cap the emissions from the separately vented thermal oxidizers 3004 and 3005 under Group 3131, rather than under Emission Point 3005.
3. Limit the combined total natural gas consumption of both thermal oxidizers 3001 and 3002 to 131.66 MMSCF during any twelve consecutive months.
4. Limit the combined total natural gas consumption of both thermal oxidizers 3004 and 3005 to 121.90 MMSCF during any twelve consecutive months.
5. Incorporate the emissions from the latest modifications and limitations.

The permitted emissions in tons per year for the SLA Preparation & Application Processes are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	3.78	1.74	- 2.04
SO ₂	0.16	0.08	- 0.08
NO _x	38.68	17.75	- 20.93
CO	9.67	10.65	+ 0.98
VOC	6.10	6.02	- 0.08

Total toxic air pollutants (TAPs): 1.57 tons/yr.

Contiguous Facilities Summary:

The combined emissions from the MAF facility of four contiguous areas individually permitted, the Primary Production Processes (Permit No. 2740), the Utility Point Sources (Permit No. 2692-V0), the Groundwater Air Stripper (No. 2474), and the SLA (Super Light Ablator) Preparation & Application Processes (Permit No. 2720).

Permitted emissions from each area, as well as the combined total emissions from all areas in tons per year are:

MAF Contiguous Areas	PM ₁₀	SO ₂	NO _x	CO	VOC ¹	TAPs
Primary Production Processes (Permit No. 2740)	3.93	Neg.	0.75	0.45	22.53	10.40
Groundwater Air Stripper (Permit No. 2474)	-	-	-	-	0.90	0.80
Utility Point Sources (Permit No. 2692-V0)	5.76	7.06	72.24	45.84	5.95	0.02
SLA Preparation & Application Processes (Permit No. 2720)	1.74	0.08	17.75	10.65	6.02	1.57
Total / Combined Emissions²	11.43	7.14	90.74	56.94	35.40	12.79

¹Toxic VOC components total 12.49 tons, 8.55 tons of which are MEK, a class III toxic substance.

²Individual criteria pollutants, toxic substances and combined toxic substances emissions are less than the corresponding major source thresholds.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Thursday, February 23, 2006.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The applications and proposed air permits are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). Additional copies may be reviewed at the New Orleans Public Library Headquarters, 219 Loyola Avenue, New Orleans, LA 70112, the Plaquemines Parish Library, Belle Chasse Branch, 8442 Highway 23, Belle Chasse, LA 70037, the LDEQ Southeast Regional Office, 645 North Lotus Drive, Suite C, Mandeville, LA 70123, and the Bayou Lafourche Regional Office, 110 Barataria Street, Lockport, LA 70374.

Inquiries or requests for additional information regarding this permit action should be directed to Dr. Hassan Ghosn, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3113.

Persons wishing to be included on the LDEQ permit public notice mailing list should contact Ms. Soumaya Ghosn in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3276, or by email at maillistrequest@ldeq.org.

Permit public notices can be viewed on the LDEQ Permits public Web page at WWW.deq.state.la.us/news/PubNotice/.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.state.la.us/ldbc/listservpage/ldeq_pn_listserv.htm.

All correspondence pertaining to the Primary Production Processes should specify AI Number 9145, Permit Numner 2740, and Activity Number PER20020003.

All correspondence pertaining to the SLA Preparation &Application Processes should specify AI Number 9145, Permit Numner 2720, and Activity Number PER20020005..

Publication dates: January 6, 2006 and January 20, 2006.

AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

PRIMARY PRODUCTION PROCESSES
MICHOUD ASSEMBLY FACILITY
AGENCY INTEREST NO.: 9145
LOCKHEED MARTIN – SPACE SYSTEMS COMPANY
NEW ORLEANS, ORLEANS PARISH, LOUISIANA

I. BACKGROUND

Lockheed Martin - Space Systems Company (Lockheed Martin), a fully owned subsidiary of Lockheed Martin Corporation, is the operator of the NASA-owned Michoud Assembly Facility (MAF) in New Orleans, Orleans Parish. The facility is located at 13800 Old Gentilly Road, New Orleans, Louisiana. MAF is a component installation of the George C. Marshall Space Flight Center (MSFC) in Huntsville, Alabama.

The MAF has been an operational site since the outbreak of World War II. At that time, the site was developed by the U.S. Maritime Commission for the Construction of Liberty Ships. In 1942, the Liberty ship project was abandoned and the construction of the complex (which included administration, engineering, manufacturing, and hangar buildings, as well as several small shop buildings and an air stripper) was completed in order to manufacture cargo-type plywood aircraft.

The current primary activity at MAF is to support the continuing development and operations of the United States Space Transportation System. For permitting convenience the site has been separated into four contiguous areas individually permitted, these are: the Utility Point Sources, the Groundwater Air Stripper, the SLA (Super Light Ablator) Preparation and Application Processes, and the Primary Production Processes.

The Utility Point Sources addresses non-process related units and covers steam and hot water boilers as well as all prime movers at the MAF site and is currently operating under its initial Part 70 Permit No. 2692-V0 granted November 1, 2004.

The Groundwater Air Stripper consists of a system to treat groundwater and is a part of an ongoing groundwater remediation program at MAF. The Stripper was issued its initial Part 70 Permit No. 2474-V0 on June 3, 1999. A request dated December 01, 2003 to install a horizontal recovery well and a series of DNAPL trenches, list Groundwater Collection Tank, Emission Point 5096, as an insignificant activity, incorporate the latest limitations, and update emissions was submitted. Minor source Permit No. 2474 was issued July 25, 2005, under which the facility is currently operating.

The SLA Shuttle Preparation and Application Processes involves solvent cleaning, primer surface coating, and the preparation activities presently operating under Permit No. 2720-V0 granted May 29, 2001 and amended on March 8, 2002. A modification application dated October 9, 2002 requesting a permit was received. A revised submittal, dated March 2, 2005, requesting enforceable limits on the maximum annual natural gas usage, was received. Additional information on December 29, 2003, February 07, 2005, March 2, March 28, April 5, June 14, and July 14, 2005 was also received and is currently under review.

The requested enforceable conditions will render the contiguous facility (MAF) a synthetic minor.

AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

PRIMARY PRODUCTION PROCESSES
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NEW ORLEANS, ORLEANS PARISH, LOUISIANA

The Primary Production Processes addresses welding and solvent cleaning activities and primer and insulation application. An authorization to install a new primer spray booth with two filter banks, Emission Points 1206, 1206B, was granted on March 24, 2003. The new filter is equipped with a three-stage filter system which has greater efficiency than the paint arrestor filter currently in use and will decrease Chromium VI emissions. A case by case insignificant activity notification dated September 19, 2003 to install a hood, SOFI Shop Fume Hood, Emission Point 1124, to capture fumes from "hand wipe" cleaning and mold release application to small parts was approved. Another case by case insignificant activity notification dated November 8, 2004 to install a carbon dioxide blasting facility, Emission Point 1913, to remove foam from external fuel tanks small parts and test panels was approved. The facility is currently operating under a Part 70 Permit No. 2740-V0 issued January 07, 2002.

II. ORIGIN

A permit application and Emission Inventory Questionnaire (EIQ) dated September 23, 2002 were received requesting modification to the operating permit. A revised application requesting a minor source (state) permit prompted by production scale down coupled with federally enforceable conditions, dated February 28, 2005 was received. Additional information dated July 26, November 10, and December 13, 2005 was also received.

III. DESCRIPTION

The Primary Production Processes covers emission sources such as welding, machining, CO₂ blasting, epoxy primer spraying, adhesive bonding, solvent cleaning, and insulation application. These activities are carried out in separate rooms, cells, electric ovens, and spray booths.

Lockheed Martin proposes to undertake the following actions:

1. Scale down the production from 10 External Fuel Tanks (ET)/yr to 7.5 ET.
2. Install a new fume hood in Cell K of Building 114. This hood, Primer Mix Fume Hood Emission Point 1123, will be used to exhaust the fumes from the mixing of small amounts of primer for touch up applications which currently vents through another hood into Building 114, Emission Point 3093.
3. Reduce the minimum temperature at the afterburner of the thermal oxidizer, Emission Point 3003, from 1400 °F to 1350 °F. An emission test performed on January 9, 2003 at the request of LDEQ demonstrated that the thermal oxidizer meets the control requirements at this temperature. The test report was submitted to LDEQ on March 20, 2003 and the LDEQ Office of Environmental Assessment, Technology Division approved its results.
4. Incorporate the emissions from the latest modifications and limitations.

AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
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NEW ORLEANS, ORLEANS PARISH, LOUISIANA

Emissions originate from composite material mixing, molding (manufacturing), air and heat curing (electric autoclaves and ovens), machining, blasting, cleaning, washing, priming, coating, and insulation application.

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	0.13	3.93	+ 3.80
SO ₂	<0.01	<0.01	-
NO _X	1.32	0.75	- 0.57
CO	0.33	0.45	+ 0.12
VOC	26.88	22.53	- 4.35
Total TAPs	13.50	10.40	- 3.10

LAC 33:III. Chapter 51 Toxic Air Pollutants (TAPs):

VOC TAPs	TPY	VOC TAPs	TPY
Benzene	<0.01	Toluene	0.87
Chlorobenzene	<0.01	Toluene 2,4-diisocyanate	0.01
Ethylbenzene	<0.30	Trichloroethylene	0.30
Ethyl glycol	<0.10	Xylenes (mixed isomers)	<0.85
Glycol Ethers (Table 51.1 Class II)	<0.90	Non-VOC TAPs	
Glycol Ethers (Table 51.3, Supplemental)	<0.50	1,1,1-Trichloroethane	0.21
Hydroquinone	<0.01	Ammonia	<0.01
Methanol	<0.20	Chromium VI	<0.01
Methyl Ethyl Ketone	7.30	Methylene Chloride (DCM)	<0.01
Methyl Isobutyl Ketone	<1.20	Hydrochloric Acid	0.04
Methylene diphenyl diisocyanate (MDI)	0.03	Nitric Acid	0.04
n-Butyl Alcohol	<1.00	Tetrachloroethylene (Perk)	<0.01
n-Hexane	<0.10	Total TAP's	10.40
Styrene	0.01		

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PRIMARY PRODUCTION PROCESSES
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LOCKHEED MARTIN – SPACE SYSTEMS COMPANY
NEW ORLEANS, ORLEANS PARISH, LOUISIANA

Contiguous Facilities Summary:

The Primary Production Processes is one of four MAF contiguous areas individually permitted. The other three areas are: Utility Point Sources (Permit No. 2692-V0), Groundwater Air Stripper (No. 2474), and SLA (Super Light Ablator) Preparation and Application Processes (Permit No. 2720-V0).

The permitted and estimated emissions from each area, as well as the combined total emissions from all areas in tons per year are as follow:

MAF Contiguous Areas	Emissions - TPY					
	PM ₁₀	SO ₂	NO _x	CO	VOC ¹	TAPs
Primary Production Processes (Permit No. 2740)	3.93	Neg.	0.75	0.45	22.53	10.40
Groundwater Air Stripper (Permit No. 2474)	-	-	-	-	0.90	0.80
Utility Point Sources (Permit No. 2692-V0)	5.76	7.06	72.24	45.84	5.95	0.02
SLA Preparation & Application Processes (Permit No. 2720)	1.74	0.08	17.75	10.65	6.02	1.57
Total / Combined Emissions²	11.43	7.14	90.74	56.94	35.40	12.79

¹Toxic VOC components total 12.49 tons, 8.55 tons of which are MEK, a class III toxic substance.

²Individual criteria pollutants, toxic substances and combined toxic substances emissions are less than the corresponding major source thresholds.

IV. TYPE OF REVIEW

This permit was reviewed for compliance with Louisiana Air Quality Regulations. New Source Performance Standards (NSPS), Prevention of Significant Deterioration (PSD) and National Emission Standards for Hazardous Air Pollutants (NESHAP) do not apply.

The remediation activities at the MAF facility are exempt from the requirements of the National Emission Standards for Hazardous Air Pollutants-Site Remediation 40 CFR 63 Subpart GGGGG [63.7881(b)(3)]. These activities are being performed as Resource Conservation and Recovery Act corrective action activities regulated under RCRA Permit No. LA4800014587. The Groundwater Air Stripper, Emission Point 3091, treats the groundwater recovered from Areas of Concern B and D.

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The contiguous facility (MAF) was a major source of both Toxic Air Pollutants (TAPs) and criteria pollutants. It is now a minor (synthetic) source as a result of production scale down and federally enforceable conditions limiting the potential to emit to below the major source thresholds of both criteria and air toxic pollutants. The facility is required to comply with LAC 33:III.5105A, 5107.A, B and C, 5111.A.4, and 5113. MAF achieved compliance, and will continue to, comply with all applicable requirements of the compliance plan CC92036.

V. PUBLIC NOTICE

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge and the XXXX, XXXX, on XXXXXXXXX XX, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on XXXXXXXXX XX, 200X. All comments will be appropriately addressed.

VI. EFFECTS ON AMBIENT AIR

Dispersion Model(s) Used: <None>

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Air Quality Standard (NAAQS)
NONE			

VII. GENERAL CONDITION XVII ACTIVITIES

Work Activity	Schedule	PM ₁₀	Emission Rates - tons			
			SO ₂	NO _X	CO	VOC
NONE						

AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
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NEW ORLEANS, ORLEANS PARISH, LOUISIANA

VIII. INSIGNIFICANT ACTIVITIES

ID No.:	Description	Citation
1004	Fume Hood, NPU Lab	LAC 33:III.501.B.5.A.6
1005	Fume Hood, QA Lab	LAC 33:III.501.B.5.A.6
1006	Fume Hood, QA Lab	LAC 33:III.501.B.5.A.6
1007	Fume Hood, QA Lab	LAC 33:III.501.B.5.A.6
1008	Fume Hood, Temperature Lab	LAC 33:III.501.B.5.A.6
1009	Fume Hood, Environmental Operations	LAC 33:III.501.B.5.A.6
1010	Fume Hood, M & P Lab	LAC 33:III.501.B.5.A.6
1011	Fume Hood, Metrology, Rework, and Cleaning	LAC 33:III.501.B.5.B.3
1014	Hoods and Vents, QA Lab Equipment	LAC 33:III.501.B.5.A.6
1015	Vent Hood, M & P Laboratory	LAC 33:III.501.B.5.A.6
1016	Vent Hood, M & P Laboratory	LAC 33:III.501.B.5.A.6
1019	IWTF Lab Operations	LAC 33:III.501.B.5.A.6
1100	Oven Vent and Hood, M & P Laboratory	LAC 33:III.501.B.5.A.6
1102	Oven Vent, Tech Ops Blue M	LAC 33:III.501.B.5.B.3
1103	Oven Vent, Tech Ops Despatch Oven	LAC 33:III.501.B.5.B.3
1104	Vents, M & P Laboratory Oven	LAC 33:III.501.B.5.A.6
1106	Vents, Development Clean Line	LAC 33:III.501.B.5.A.6
2901	External Combustion Sources < 1 MMBTU	LAC 33:III.501.B.5.A.5
3900	Line Silo	LAC 33:III.501.B.5.D.a
5014	Clean Line Tank 4: Alkaline Etch	LAC 33:III.501.B.5.A.10

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated September 23, 2002, along with supplemental information dated February 28, 2005, July 26, November 10, and December 13, 2005.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Surveillance Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
2. Report by September 30 to cover April through June
3. Report by December 31 to cover July through September
4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]
- These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.
- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.



PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)



State of Louisiana
Department of Environmental Quality
PRIMARY PRODUCTION PROCESS SOURCES

KATHLEEN BABINEAUX BLANCO
GOVERNOR

MICHOUD ASSEMBLY FACILITY
LOCKHEED MARTIN - SPACE SYSTEMS COMPANY
PROPOSED AIR PERMIT

MIKE D. McDANIEL, Ph.D.
SECRETARY

The LDEQ, Office of Environmental Services, is accepting written comments on an air permit for Lockheed Martin - Space Sysytems Company (Lockheed Martin), P. O. Box 29304, New Orleans, LA 70189-9304 for the Primary Production Processes - Michoud Assembly Facility. The facility is located at **13800 Old Gentilly Road in Orleans Parish**.

The current primary activity at MAF is to support the continuing development and operations of the United States Space Transportation System. For permitting convenience the site has been separated into four contiguous areas individually permitted, these are: the Utility Point Sources, the Groundwater Air Stripper, the Primary Production Processes, and the SLA (Super Light Ablator) Preparation and Application Processes.

The Primary Production Processes covers emission sources such as welding, machining, CO₂ blasting, epoxy primer spraying, adhesive bonding, solvent cleaning, and insulation application. These activities are carried out in separate rooms, cells, electric ovens, and spray booths.

Lockheed Martin proposes to undertake the following actions:

1. Scale down the production from 10 External Fuel Tanks (ET)/yr to 7.5 ET.
2. Install a new fume hood in Cell K of Building 114. This hood, Primer Mix Fume Hood Emission Point 1123, will be used to exhaust the fumes from the mixing of small amounts of primer for touch up applications which currently vents through another hood into Building 114, Emission Point 3093.
3. Reduce the minimum temperature at the afterburner of the thermal oxidizer, Emission Point 3003, from 1400 °F to 1350 °F. An emission test performed on January 9, 2003 at the request of LDEQ demonstrated that the thermal oxidizer meets the control requirements at this temperature. The test report was submitted to LDEQ on March 20, 2003 and the LDEQ Office of Environmental Assessment, Technology Division approved its results).
4. Incorporate the emissions from the latest modifications and limitations.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	0.13	3.93	+ 3.80
SO ₂	<0.01	<0.01	-
NO _x	1.32	0.75	- 0.57
CO	0.33	0.45	+ 0.12
VOC	26.88	22.53	- 4.35
Total TAPs ¹	13.50	10.40	- 3.10

¹Includes 7.30 tons of methyl ethyl ketone (MEK).



General Information

AI ID: 9145 Lockheed Martin - Space Systems Co

Activity Number: PER20020003

Permit Number: 2740

Air - Minor (Synthetic) Modification

Also Known As:	ID	Name	User Group	Start Date
	2140-00083	Lockheed Martin - Michoud Assembly Facility	CDS Number	05-27-1993
	2140-0083	Lockheed Martin - Michoud Assembly Facility	Emission Inventory	03-03-2004
	52-0740018	Federal Tax ID	Federal Tax ID	07-13-2000
LA4800014587	US NASA/Lockheed Martin	Hazardous Waste Notification	05-19-2003	
CA	GPRRA Baselines	Hazardous Waste Permitting	10-01-1997	
00644	Boeing Co - Michoud Assembly Facility	Inactive & Abandoned Sites	11-01-1981	
LA1801114587	NASA Martin Marietta Aerospace	Inactive & Abandoned Sites	11-01-1981	
LAD980621536	Lockheed Martin	Inactive & Abandoned Sites	04-01-1982	
LA0052256	WPC File Number	LPDES Permit #	05-22-2003	
WP0989	WPC State Permit Number	LWDPS Permit #	06-25-2003	
GL-522	Radiation General License	Radiation License Number	10-05-2000	
LA-2913-L01	Radioactive Material License	Radiation License Number	09-12-2001	
2913	X-Ray Registration Number	Radiation X-ray Registration Number	11-21-1999	
GP-071-1392	Site ID #	Solid Waste Facility No.	07-24-2001	
11879	Martin Marietta Corp	TEMPO Merge	05-06-2002	
13627	Michoud Assembly Facility	TEMPO Merge	02-15-2001	
16210	Martin Marietta Manned Space Systems	TEMPO Merge	02-15-2001	
17446	Martin Marietta (US NASA) Dept 3161	TEMPO Merge	02-15-2001	
2725	Lockheed Martin Michoud Space Systems - Michoud Assembly Facility	TEMPO Merge	02-15-2001	
34843	Lockheed Martin Corp	TEMPO Merge	09-12-2001	
4351	Boeing Co - Michoud Assembly Facility	TEMPO Merge	04-21-2002	
8244	NASA	TEMPO Merge	02-15-2001	
94500	Marshall Space Flight Center c/o Chrysler Corp	TEMPO Merge	01-20-2002	
2140-0083	Toxic Emissions Data Inventory #	Toxic Emissions Data Inventory #	01-01-1991	
70129NSMCH13800	TRI #	Toxic Release Inventory	07-09-2004	
36-006731	UST Facility ID (from UST legacy data)	Underground Storage Tanks	10-11-2002	
7207	Waste Tires	Waste Tire Facility ID Number	05-27-2005	
RG-071-7207	Facility #	Waste Tires	01-08-2002	
		Main Phone:	5042574787	
			[REDACTED]	

Physical Location:
13800 Old Gentilly Rd
New Orleans, LA 70129

Mailing Address:
PO Box 29304 Dept 3162
New Orleans, LA 701890304

General Information

AI ID: 9145 Lockheed Martin - Space Systems Co

Activity Number: PER20020003

Permit Number: 2740

Air - Minor (Synthetic) Modification

Location of Front Gate: 30° 1' 36" latitude, 89° 55' 1" longitude, Coordinate Method: Interpolation - Map, Coordinate Datum: NAD27

Related People:

Name	Mailing Address	Phone (Type)	Relationship
Reynold Abadie	PO Box 29304 New Orleans, LA 701890304	5042573110 (WP)	Responsible Official for
Frank Duncan	PO Box 29304 New Orleans, LA 701890304	5042572539 (WP)	Radiation Safety Officer for
Melanie Jennings	PO Box 29304 New Orleans, LA 701290304	5042574787 (WP)	Underground Storage Tank Contact for
Melanie Jennings	PO Box 29304 New Orleans, LA 701290304	5042574787 (WP)	Haz. Waste Billing Party for
Gregory Lain	PO Box 29304 New Orleans, LA 701890304	5042571871 (WP)	Radiation Contact For
Dale Mainke	PO Box 29304 New Orleans, LA 701290304	5042573434 (WP)	Water Billing Party for
A. Michael Wiater	PO Box 29304 New Orleans, LA 70189	5042571463 (WP)	Asbestos Contact for

Related Organizations:

Name	Address	Phone (Type)	Relationship
Lockheed Martin	PO Box 29304 New Orleans, LA 701890304	5042574787 (WP)	Air Billing Party for
Lockheed Martin	PO Box 29304 New Orleans, LA 701890304	5042574787 (WP)	Operates
Lockheed Martin	PO Box 29304 New Orleans, LA 701890304	5042574787 (WP)	Solid Waste Billing Party for
Lockheed Martin	PO Box 29304 New Orleans, LA 701890304	5042571871 (WP)	Radiation License Billing Party for
Lockheed Martin	PO Box 29304 New Orleans, LA 701890304	5042571871 (WP)	Radiation Registration Billing Party for
Lockheed Martin	PO Box 29304 New Orleans, LA 701890304	5042574787 (WP)	UST Billing Party for
US NASA	PO Box 29304 New Orleans, LA 701890304	5042572601 (WP)	Owns

SIC Codes:

3769, Missile and space vehicle equipment, nec

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 9145 - Lockheed Martin - Space Systems Co
 Activity Number: PER20020003
 Permit Number: 2740
Air - Minor (Synthetic) Modification

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT141	1017 - Vent Hood, Pulltrusion Machine	7.5 (other units)	7.5 (other units)	7.5 (other units)	1440 hr/yr (All Year)	
EOT142	1122 - Welding Training Emissions	7.5 (other units)	7.5 occurrences	7.5 occurrences	2000 hr/yr (All Year)	
EQT143	3003 - Bldg. 114 Thermal Oxidizer	23.4 MM BTU/hr	23.4 MM BTU/hr	23.4 MM BTU/hr	477 hr/yr (All Year)	
EOT144	4001 - S-5 Autoclave	7.5 (other units)	7.5 (other units)	7.5 (other units)	3120 hr/yr (All Year)	
EQT145	5012 - Clean Line Tank 2; Alkaline Cleaner	22000 gallons	22000 gallons/yr	22000 gallons/yr	8736 hr/yr (All Year)	
EOT146	5016 - Clean Line Tank 6; Deoxidizer	22000 gallons	22000 gallons/yr	22000 gallons/yr	8736 hr/yr (All Year)	
EQT147	5022 - Clean Line Tank 12; Alkaline Cleaner	3000 gallons	3000 gallons/yr	3000 gallons/yr	8736 hr/yr (All Year)	
EQT148	5027 - Clean Line Tank 17; Deoxidizer	30000 gallons	30000 gallons/yr	30000 gallons/yr	8736 hr/yr (All Year)	
EQT149	5082 - Hydrochloric Acid Supply	80000 gallons	16000 gallons/yr	80000 gallons/yr	8736 hr/yr (All Year)	
EOT174	3192 - Bldg 110 Cell A (H2 Tank Insulation and Assembly)	7.5 (other units)	7.5 occurrences	7.5 occurrences	8760 hr/yr (All Year)	
EQT175	3292 - Bldg 110 Cell B (H2 Tank Insulation and Assembly)	7.5 (other units)	7.5 occurrences	7.5 occurrences	8760 hr/yr (All Year)	
EQT176	3392 - Bldg 110 Cell C (H2 Tank Insulation and Assembly)	7.5 (other units)	7.5 occurrences	7.5 occurrences	8760 hr/yr (All Year)	
EQT177	3492 - Bldg 110 Cell D (H2 Tank Insulation and Assembly)	7.5 (other units)	7.5 occurrences	7.5 occurrences	8760 hr/yr (All Year)	
EQT178	3592 - Bldg 110 Cell E Lox NVR Testing	7.5 (other units)	7.5 occurrences	7.5 occurrences	8760 hr/yr (All Year)	
EQT179	3193 - Bldg 114 Cell G	7.5 (other units)	7.5 occurrences	7.5 occurrences	8760 hr/yr (All Year)	
EQT180	3293 - Bldg 114 Cell H	7.5 (other units)	7.5 occurrences	7.5 occurrences	8760 hr/yr (All Year)	
EQT181	3393 - Bldg 114 Cell K	7.5 (other units)	7.5 occurrences	7.5 occurrences	8760 hr/yr (All Year)	
EQT182	3493 - Bldg 114 Cell J	7.5 (other units)	7.5 occurrences	7.5 occurrences	8760 hr/yr (All Year)	
FUG001	1900 - Fugitives Site Wide, Cleaning and Miscellaneous Hand Work	7.5 (other units)	7.5 (other units)	7.5 (other units)	8760 hr/yr (All Year)	
FUG002	1913 - Fugitive Emissions B409; CO2 Blasting Facility	7.5 (other units)	7.5 (other units)	7.5 (other units)	3200 hr/yr (All Year)	
FUG003	1912 - Fugitives Emissions ; Process Lines and Ancillary Equipment	7.5 (other units)	7.5 (other units)	7.5 (other units)	8760 hr/yr (All Year)	
RLP012	1003 - Fume Hood, Tech Ops Pour Room	7.5 (other units)	7.5 (other units)	7.5 (other units)	600 hr/yr (All Year)	
RLP013	1013 - Fume Hood, Clean Room	7.5 (other units)	7.5 (other units)	7.5 (other units)	1040 hr/yr (All Year)	
RLP014	1105 - Vents, Adhesive Bonding Ovens	7.5 (other units)	7.5 (other units)	7.5 (other units)	4160 hr/yr (All Year)	
RLP015	1108 - Vent, SOFI/SIA Application & Closeout	7.5 (other units)	7.5 (other units)	7.5 (other units)	4160 hr/yr (All Year)	
RLP018	1112 - Exhaust, Gun Cleaning Room	7.5 (other units)	7.5 (other units)	7.5 (other units)	3840 hr/yr (All Year)	
RLP019	1113 - Exhaust, Clean Room	7.5 (other units)	7.5 (other units)	7.5 (other units)	4160 hr/yr (All Year)	
RLP020	1120 - Cell E Exhaust Stack	7.5 (other units)	7.5 (other units)	7.5 (other units)	1200 hr/yr (All Year)	
RLP021	1123 - Cell K Primer Mix Fume Hood	7.5 (other units)	7.5 (other units)	7.5 (other units)	8760 hr/yr (All Year)	
RLP022	1124 - SOFI Shop Fume Hood	7.5 (other units)	7.5 (other units)	7.5 (other units)	8760 hr/yr (All Year)	
RLP023	1200A - Engineering Spray Booth Filter Bank No. A	7.5 (other units)	7.5 (other units)	7.5 (other units)	2080 hr/yr (All Year)	
RLP024	1201 - AMT Development Spray Booth	7.5 (other units)	7.5 (other units)	7.5 (other units)	2080 hr/yr (All Year)	
RLP025	1203A - Epoxy Primer Spray Booth Filter Bank No. A	7.5 (other units)	7.5 (other units)	7.5 (other units)	6000 hr/yr (All Year)	
RLP026	1204 - SOFI Application Spray Room	7.5 (other units)	7.5 (other units)	7.5 (other units)	4160 hr/yr (All Year)	
RLP027	1206A - Commodity Shop Spray Booth Filter Bank A	7.5 (other units)	7.5 (other units)	7.5 (other units)	6000 hr/yr (All Year)	

INVENTORIES

AI ID: 9145 - Lockheed Martin - Space Systems Co
 Activity Number: PER20020003
 Permit Number: 2740
 Air - Minor (Synthetic) Modification

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
RLP028	'3092 - Bldg. 110 Exhaust		7.5 (other units)	7.5 (other units)		8760 hr/yr (All Year)
RLP029	'3093 - Bldg. 114 Exhaust		7.5 (other units)	7.5 (other units)		8760 hr/yr (All Year)
RLP030	1110 - Vents, Clean Room Vapor Degreaser		7.5 (other units)	7.5 (other units)		4160 hr/yr (All Year)
RLP031	1111 - Vents, Feed Line Room		7.5 (other units)	7.5 (other units)		4160 hr/yr (All Year)
RLP032	1200B - Engineering Spray Booth Filter Bank No. B		7.5 (other units)	7.5 (other units)		2080 hr/yr (All Year)
RLP033	1203B - Epoxy Primer Spray Booth Filter Bank No. B		7.5 (other units)	7.5 (other units)		6000 hr/yr (All Year)
RLP034	1206B - Commodity Shop Spray Booth Filter Bank B		7.5 (other units)	7.5 (other units)		6000 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP024	Engineering Spray Booth	RLP23 1200A - Engineering Spray Booth Filter Bank No. A
GRP024	Engineering Spray Booth	RLP32 1200B - Engineering Spray Booth Filter Bank No. B
GRP025	Epoxy Primer Spray Booth	RLP25 1203A - Epoxy Primer Spray Booth Filter Bank No. A
GRP025	Epoxy Primer Spray Booth	RLP33 1203B - Epoxy Primer Spray Booth Filter Bank No. B
GRP026	Commodity Shop Spray Booth	RLP27 1206A - Commodity Shop Spray Booth Filter Bank A
GRP026	Commodity Shop Spray Booth	RLP34 1206B - Commodity Shop Spray Booth Filter Bank B
GRP028	PRIMARY PRODUCTION & PROCESSES Area	EQT141 1017 - Vent Hood, Pultrusion Machine
GRP028	PRIMARY PRODUCTION & PROCESSES Area	EQT142 1122 - Welding Training Emissions
GRP028	PRIMARY PRODUCTION & PROCESSES Area	EQT143 3003 - Bldg. 114 Thermal Oxidizer
GRP028	PRIMARY PRODUCTION & PROCESSES Area	EQT144 4001 - S-5 Autoclave
GRP028	PRIMARY PRODUCTION & PROCESSES Area	EQT145 5012 - Clean Line Tank 2: Alkaline Cleaner
GRP028	PRIMARY PRODUCTION & PROCESSES Area	EQT146 5016 - Clean Line Tank 6: Deoxidizer
GRP028	PRIMARY PRODUCTION & PROCESSES Area	EQT147 5022 - Clean Line Tank 12: Alkaline Cleaner
GRP028	PRIMARY PRODUCTION & PROCESSES Area	EQT148 5027 - Clean Line Tank 17: Deoxidizer
GRP028	PRIMARY PRODUCTION & PROCESSES Area	EQT149 5082 - Hydrochloric Acid Supply
GRP028	PRIMARY PRODUCTION & PROCESSES Area	EQT174 3192 - Bldg 110 Cell A (H2 Tank Insulation and Assembly)
GRP028	PRIMARY PRODUCTION & PROCESSES Area	EQT175 3292 - Bldg 110 Cell B (H2 Tank Insulation and Assembly)
GRP028	PRIMARY PRODUCTION & PROCESSES Area	EQT176 3392 - Bldg 110 Cell C (H2 Tank Insulation and Assembly)
GRP028	PRIMARY PRODUCTION & PROCESSES Area	EQT177 3492 - Bldg 110 Cell D (H2 Tank Insulation and Assembly)
GRP028	PRIMARY PRODUCTION & PROCESSES Area	EQT178 3592 - Bldg 110 Cell E Lox NVR Testing
GRP028	PRIMARY PRODUCTION & PROCESSES Area	EQT179 3193 - Bldg 114 Cell G
GRP028	PRIMARY PRODUCTION & PROCESSES Area	EQT180 3293 - Bldg 114 Cell H
GRP028	PRIMARY PRODUCTION & PROCESSES Area	EQT181 3393 - Bldg 114 Cell K
GRP028	PRIMARY PRODUCTION & PROCESSES Area	EQT182 3493 - Bldg 114 Cell J
GRP028	PRIMARY PRODUCTION & PROCESSES Area	FUG1 1900 - Fugitives Site Wide, Cleaning and Miscellaneous Hand Work
GRP028	PRIMARY PRODUCTION & PROCESSES Area	FUG2 1913 - Fugitive Emissions B409; CO2 Blasting Facility

INVENTORIES

AI ID: 9145 - Lockheed Martin - Space Systems Co
 Activity Number: PER20020003
 Permit Number: 2740
 Air - Minor (Synthetic) Modification

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP028	PRIMARY PRODUCTION & PROCESSES Area	FUG3 1912 - Fugitives Emissions ; Process Lines and Ancillary Equipment
GRP028	PRIMARY PRODUCTION & PROCESSES Area	GRP24 Engineering Spray Booth
GRP028	PRIMARY PRODUCTION & PROCESSES Area	GRP25 Epoxy Primer Spray Booth
GRP028	PRIMARY PRODUCTION & PROCESSES Area	GRP26 Commodity Shop Spray Booth
GRP028	PRIMARY PRODUCTION & PROCESSES Area	RLP12 1003 - Fume Hood Tech Ops Pour Room
GRP028	PRIMARY PRODUCTION & PROCESSES Area	RLP13 1013 - Fume Hood, Clean Room
GRP028	PRIMARY PRODUCTION & PROCESSES Area	RLP14 1105 - Vents, Adhesive Bonding Ovens
GRP028	PRIMARY PRODUCTION & PROCESSES Area	RLP15 1108 - Vent, SOFI/SLA Application & Closeout
GRP028	PRIMARY PRODUCTION & PROCESSES Area	RLP18 1112 - Exhaust, Gun Cleaning Room
GRP028	PRIMARY PRODUCTION & PROCESSES Area	RLP19 1113 - Exhaust, Clean Room
GRP028	PRIMARY PRODUCTION & PROCESSES Area	RLP20 1120 - Cell E Exhaust Stack
GRP028	PRIMARY PRODUCTION & PROCESSES Area	RLP21 1123 - Cell K Primer Mix Fume Hood
GRP028	PRIMARY PRODUCTION & PROCESSES Area	RLP22 1124 - SOFI Shop Fume Hood
GRP028	PRIMARY PRODUCTION & PROCESSES Area	RLP23 1200A - Engineering Spray Booth Filter Bank No. A
GRP028	PRIMARY PRODUCTION & PROCESSES Area	RLP24 1201 - AMT Development Spray Booth
GRP028	PRIMARY PRODUCTION & PROCESSES Area	RLP25 1203A - Epoxy Primer Spray Booth Filter Bank No. A
GRP028	PRIMARY PRODUCTION & PROCESSES Area	RLP26 1204 - SOFI Application Spray Room
GRP028	PRIMARY PRODUCTION & PROCESSES Area	RLP27 1206A - Commodity Shop Spray Booth Filter Bank A
GRP028	PRIMARY PRODUCTION & PROCESSES Area	RLP28 3092 - Bldg. 110 Exhaust
GRP028	PRIMARY PRODUCTION & PROCESSES Area	RLP29 3093 - Bldg. 114 Exhaust
GRP028	PRIMARY PRODUCTION & PROCESSES Area	RLP30 1110 - Vents, Clean Room Vapor Degreaser
GRP028	PRIMARY PRODUCTION & PROCESSES Area	RLP31 1111 - Vents, Feed Line Room
GRP028	PRIMARY PRODUCTION & PROCESSES Area	RLP32 1200B - Engineering Spray Booth Filter Bank No. B
GRP028	PRIMARY PRODUCTION & PROCESSES Area	RLP33 1203B - Epoxy Primer Spray Booth Filter Bank No. B
GRP028	PRIMARY PRODUCTION & PROCESSES Area	RLP34 1206B - Commodity Shop Spray Booth Filter Bank B
Relationships:		Subject Item
EQT143	3003 - Bldg. 114 Thermal Oxidizer	Controls emissions from, only when emitting $\geq 3 \text{ lb/hr}$ or $\geq 15 \text{ lb/day}$
EQT174	3192 - Bldg 110 Cell A (H2 Tank Insulation and Assembly)	Vents to RLP29 3093 - Bldg. 114 Exhaust
EQT175	3292 - Bldg 110 Cell B (H2 Tank Insulation and Assembly)	Vents to RLP28 3092 - Bldg. 110 Exhaust
EQT176	3392 - Bldg 110 Cell C (H2 Tank Insulation and Assembly)	Vents to RLP28 3092 - Bldg. 110 Exhaust
EQT177	3492 - Bldg 110 Cell D (H2 Tank Insulation and Assembly)	Vents to RLP28 3092 - Bldg. 110 Exhaust
EQT178	3592 - Bldg 110 Cell E Lox NVR Testing	Vents to RLP28 3092 - Bldg. 110 Exhaust
RLP29	3093 - Bldg. 114 Exhaust	Controls emissions from EQT179 3193 - Bldg 114 Cell G
RLP29	3093 - Bldg. 114 Exhaust	Controls emissions from EQT180 3293 - Bldg 114 Cell H
RLP29	3093 - Bldg. 114 Exhaust	Controls emissions from EQT181 3393 - Bldg 114 Cell K

INVENTORIES

AI ID: 9145 - Lockheed Martin - Space Systems Co
 Activity Number: PER20020003
 Permit Number: 2740
 Air - Minor (Synthetic) Modification

Relationships:	Subject Item	Relationship	Subject Item			
RLP29 3093 - Bldg. 114 Exhaust	EQT182 3493 - Bldg 114 Cell J	Controls emissions from				
Stack Information:						
ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT141 1017 - Vent Hood, Pultrusion Machine	15	1000	1	.79	10	70
EQT142 1122 - Welding Training Emissions	30	3	1	.79	56	77
EQT143 3003 - Bldg. 114 Thermal Oxidizer	45	17000	4	12.57	115	874
EQT144 4001 - S-5 Autoclave	77	100	.17	.02	25	100
EQT145 5012 - Clean Line Tank 2: Alkaline Cleaner	45	43000	4.5	15.9	73	72
EQT146 5016 - Clean Line Tank 6: Deoxidizer	38	28500	4	12.57	73	70
EQT147 5022 - Clean Line Tank 12: Alkaline Cleaner	36	21000	4	12.57	67	70
EQT148 5027 - Clean Line Tank 17: Deoxidizer	81	61400	4	12.57	67	70
EQT149 5082 - Hydrochloric Acid Supply	0	0	0	0	0	70
EQT174 3192 - Bldg 110 Cell A (H2 Tank Insulation and Assembly)						
EQT175 3292 - Bldg 110 Cell B (H2 Tank Insulation and Assembly)						
EQT176 3392 - Bldg 110 Cell C (H2 Tank Insulation and Assembly)						
EQT177 3492 - Bldg 110 Cell D (H2 Tank Insulation and Assembly)						
EQT178 3592 - Bldg 110 Cell E Lox NVR Testing						
EQT179 3193 - Bldg 114 Cell G						
EQT180 3293 - Bldg 114 Cell H						
EQT181 3393 - Bldg 114 Cell K						
EQT182 3493 - Bldg 114 Cell J						
FUG001 1900 - Fugitives Site Wide, Cleaning and Miscellaneous Hand Work	0	0	0	0	0	70
FUG002 1913 - Fugitive Emissions B409; CO2 Blasting Facility	0	0	0	0	0	70
GRP024 Engineering Spray Booth	34	4907	1.75	2.41	74	105
RLP012 1003 - Fume Hood, Tech Ops Pour Room	2.5	52.4	.7	.38	64.7	70
RLP013 1013 - Fume Hood, Clean Room	44	2100	1	.79	57.6	70
RLP014 1105 - Vents, Adhesive Bonding Ovens	17	500	.8	.5	55	70
RLP015 1108 - Vent, SOFI/SLA Application & Closeout	149	4500	.8	.5	90	70
RLP018 1112 - Exhaust, Gun Cleaning Room	15	707	1	.79	57	70
RLP019 1113 - Exhaust, Clean Room	38	16000	3	7.07	59	70
RLP020 1120 - Cell E Exhaust Stack	12.5	12000	4.5	15.9	220	70
RLP021 1123 - Cell K Primer Mix Fume Hood	.92	52.4	1.16	1.06	25	70
RLP022 1124 - SOFI Shop Fume Hood	20.5	430	.67	.35	66	77
RLP023 1200A - Engineering Spray Booth Filter Bank No. A	17	2453.5	1.75	2.41	74	105
RLP024 1201 - AMT Development Spray Booth	36	31807	4.33	14.73	129	120
RLP025 1203A - Epoxy Primer Spray Booth Filter Bank No. A	16.63	9600	3.5	9.62	69	70
RLP026 1204 - SOFI Application Spray Room	28	2200	1.3	1.33	60	70
RLP027 1206A - Commodity Shop Spray Booth Filter Bank A	55.43	32000	3.5	9.62	70	70
RLP028 3092 - Bldg. 110 Exhaust	37	24000	3.7	10.75	218	70
RLP029 3093 - Bldg. 114 Exhaust	45	17000	4	12.57	115	70
RLP030 1110 - Vents, Clean Room Vapor Degreaser	18	3300	2	3.14	55	70

INVENTORIES

AI ID: 9145 - Lockheed Martin - Space Systems Co
 Activity Number: PER20020003
 Permit Number: 2740
 Air - Minor (Synthetic) Modification

Stack Information:

ID		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
RLP031	1111 - Vents, Feed Line Room	15	700	1	.79	57.5	70
RLP032	1200B - Engineering Spray Booth Filter Bank No. B	23.14	2453.5	1.5	1.77	74	105
RLP033	1203B - Epoxy Primer Spray Booth Filter Bank No. B	16.63	9600	3	7.07	69	70
RLP034	1206B - Commodity Shop Spray Booth Filter Bank B	55.4	32000	3.5	9.62	70	70

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 9145 - Lockheed Martin - Space Systems Co

Activity Number: PER20020003

Permit Number: 2740

Air - Minor (Synthetic) Modification

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 141 1017	0.005	0.200	0.01										0.16	3.000	0.11
EQT 142 1122															
EQT 143 3003		0.31	0.07	0.01	0.01	0.01	3.14	3.14	0.75	1.89	1.89	0.45	0.28	3.39	0.07
EQT 144 4001													0.033	2.127	0.05
EQT 145 5012													0.003	0.01	0.01
EQT 147 5022													0.001	0.004	< 0.01
FUG 001 1900													2.062	9.600	9.01
FUG 002 1913		2.41	7.70		3.85										
FUG 003 1912													1.324	0.767	5.80
GRP 024 1013													0.175	2.944	0.18
GRP 025 1014													0.315	5.200	0.95
GRP 026 1015													0.32	5.20	0.95
RLP 012 1003													0.152	2.660	0.05
RLP 013 1013													0.035	1.600	0.02
RLP 014 1105													< 0.01	3.000	< 0.01
RLP 015 1108													0.227	3.000	.47
RLP 018 1112													0.822	1.800	1.58
RLP 020 1120													0.468	27.983	0.28

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 9145 - Lockheed Martin - Space Systems Co

Activity Number: PER20020003

Permit Number: 2740

Air - Minor (Synthetic) Modification

All phases

Subject Item	PM ₁₀		SO ₂		NOx		CO		VOC	
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr
RLP 021 1123									< 0.01	0.38 < 0.01
RLP 022 1124									0.031	5.190 0.14
RLP 024 1201									0.175	2.944 0.18
RLP 026 1204									0.15	2.90 0.31
RLP 028 3092									0.230	3.000 1.01
RLP 029 3093									0.310	42.000 1.35

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

PM10: 3.93 tons/yr

SO2: <0.01 tons/yr

NOx: 0.75 tons/yr

CO: 0.45 tons/yr

VOC: 22.53 tons/yr

Emission rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 9145 - Lockheed Martin - Space Systems Co
 Activity Number: PER20020003
 Permit Number: 2740
 Air - Minor (Synthetic) Modification

All phases

Subject Item	1,1,1-Trichloroethane			Ammonia			Benzene			Chlorobenzene			Chromium VI (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 141	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 143	-	-	-	-	-	-	-	-	-	-	-	-	< 0.006	0.140	< 0.01
3003	-	-	-	-	-	-	-	-	-	-	-	-	< 0.001	0.001	< 0.01
EQT 145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 146	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 148	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5082	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FUG 001	0.047	1.410	0.20	-	-	-	-	-	-	0.001	0.112	< 0.01	-	-	-
1900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FUG 003	-	-	-	-	-	-	-	-	-	< 0.001	< 0.001	< 0.01	-	-	-
1912	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRP 024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRP 025	-	-	-	< 0.001	-	0.045	< 0.01	-	-	-	-	-	0.001	0.230	< 0.01
GRP 026	-	-	-	< 0.001	-	0.045	< 0.01	-	-	-	-	-	< 0.001	0.115	< 0.01
RLP 012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RLP 013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RLP 014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RLP 015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RLP 018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1112	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RLP 020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RLP 021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1123	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 9145 - Lockheed Martin - Space Systems Co

Activity Number: PER20020003

Permit Number: 2740

Air - Minor (Synthetic) Modification

All phases

Dichloromethane

Subject Item	Avg lb/hr	Max lb/hr	Ethyl benzene			Ethylene glycol			Glycol ethers (Table 51.1)			Glycol ethers (Table 51.3)		
			Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr
EQT 141 1017	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 143 3003	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 145 5012	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 146 5016	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 148 5027	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 149 5082	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FUG 001 1900	-	-	-	0.002	0.0175	< 0.01	< 0.001	< 0.015	< 0.001	< 0.01	< 0.036	< 0.016	< 0.047	< 0.005
FUG 003 1912	-	-	-	-	-	-	< 0.001	< 0.001	< 0.01	-	-	-	-	< 0.002
GRP 024	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRP 025	< 0.001	0.041	< 0.01	0.002	0.584	< 0.01	< 0.001	< 0.450	< 0.001	< 0.01	0.014	0.046	< 0.004	< 0.001
GRP 026	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RLP 012 1003	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RLP 013 1013	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RLP 014 1105	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RLP 015 1108	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RLP 018 1112	-	0.002	-	0.950	< 0.01	-	-	-	-	-	-	-	-	-
RLP 020 1120	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RLP 021 1123	-	-	-	-	-	-	-	-	-	-	-	-	-	-

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 9145 - Lockheed Martin - Space Systems Co

Activity Number: PER20020003

Permit Number: 2740

Air - Minor (Synthetic) Modification

All phases

Subject Item	Hydrochloric acid			Hydroquinone			Methanol			Methyl ethyl ketone			Methyl isobutyl ketone		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 141 1017										0.062	3.000	0.04			
EQT 143 3003										0.064	3.389	0.02			
EQT 145 5012															
EQT 146 5016															
EQT 148 5027															
EQT 149 5082	0.010	4.580	0.040												
FUG 001 1900		< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.055	< 0.01	0.06	0.966	5.326	4.22			
FUG 003 1912										0.201	0.201	0.88			
GRP 024										0.059	2.250	0.06			
GRP 025							0.001	0.152	< 0.01	0.084	3.000	0.25	0.015	0.866	0.05
GRP 026										0.085	3.00	0.25			
RLP 012 1003										0.077	2.660	0.02			
RLP 013 1013										0.002	3.000	< 0.01			
RLP 014 1105										0.134	3.000	0.28			
RLP 015 1108										0.035	1.800	0.07			
RLP 018 1112										0.011	1.775	0.007			
RLP 020 1120										< 0.001	0.375	< 0.01			
RLP 021 1123															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

All ID: 9145 - Lockheed Martin - Space Systems Co

Activity Number: PER20020003

Permit Number: 2740

Air - Minor (Synthetic) Modification

All phases

Subject Item	Methylene diphenyl diisocyanate			Nitric acid			Styrene			Tetrachloroethylene			Toluene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 141 1017	-	-	-	-	-	-	0.014	1.250	0.01	-	-	-	-	-	-
EQT 143 3003	-	-	-	-	-	-	-	-	-	-	-	-	0.002	0.060	< 0.01
EQT 145 5012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 146 5016	-	-	-	0.007	0.036	0.03	-	-	-	-	-	-	-	-	-
EQT 148 5027	-	-	-	0.001	0.010	< 0.01	-	-	-	-	-	-	-	-	-
EQT 149 5082	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FUG 001 1900	< 0.001	0.375	< 0.01	-	-	-	-	-	-	< 0.001	1.048	< 0.01	0.026	5.440	0.12
FUG 003 1912	-	-	-	-	-	-	-	-	-	-	-	-	0.040	0.040	0.17
GRP 024 0.004	-	0.200	< 0.01	-	-	-	-	-	-	-	-	-	< 0.001	0.160	< 0.01
GRP 025 -	-	-	-	-	-	-	-	-	-	-	-	-	0.085	5.200	0.26
GRP 026 -	-	-	-	-	-	-	-	-	-	-	-	-	0.085	5.200	0.26
RLP 012 1003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RLP 013 1013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RLP 014 1105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RLP 015 1108	< 0.001	0.037	< 0.01	-	-	-	-	-	-	-	-	-	0.006	1.200	0.01
RLP 018 1112	-	-	-	-	-	-	-	-	-	< 0.001	0.380	< 0.01	-	-	-
RLP 020 1120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RLP 021 1123	-	-	-	-	-	-	-	-	-	-	-	-	< 0.001	0.020	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 9145 - Lockheed Martin - Space Systems Co
 Activity Number: PER20020003

Permit Number: 2740

Air - Minor (Synthetic) Modification

All phases

Subject Item	Toluene-2,4-diisocyanate			Trichloroethylene			Xylylene (mixed isomers)			n-Hexane			n-butyl alcohol		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 141															
1017															
EQT 143															
3003															
EQT 145															
5012															
EQT 146															
5016															
EQT 148															
5027															
EQT 149															
5082															
FUG 001	0.002	9.600	0.01	0.002	0.454	0.01	0.009	1.360	0.04	0.005	0.710	0.02	0.035	3.000	0.15
1980															
FUG 003															
1912															
GRP 024															
GRP 025															
GRP 026															
RLP 012															
1003															
RLP 013															
1013															
RLP 014	0.001	0.506	< 0.01												
1105															
RLP 015															
1108															
RLP 018															
1112															
RLP 020															
1120															
RLP 021															
1123															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 9145 - Lockheed Martin - Space Systems Co

Activity Number: PER20020003

Permit Number: 2740

Air - Minor (Synthetic) Modification

All phases

Subject Item	1,1,1-Trichloroethane			Ammonia			Benzene			Chlorobenzene			Chromium VI (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
RLP 022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RLP 024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1201	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RLP 026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1204	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RLP 028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3092	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RLP 029	0.001	0.306	< 0.001	-	-	-	-	-	-	-	-	-	-	-	-
3093	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 9145 - Lockheed Martin - Space Systems Co

Activity Number: PER20020003

Permit Number: 2740

Air - Minor (Synthetic) Modification

All phases

Subject Item	Dichloromethane			Ethyl benzene			Ethylene glycol			Glycol ethers (Table 51.1)			Glycol ethers (Table 51.3)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
RLP 022 1124															
RLP 024 1201															
RLP 026 1204															
RLP 028 3092															
RLP 029 3093															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 9145 - Lockheed Martin - Space Systems Co

Activity Number: PER20020003

Permit Number: 2740

Air - Minor (Synthetic) Modification

All phases

Subject Item	Hydrochloric acid			Hydroquinone			Methanol			Methyl ethyl ketone			Methyl isobutyl ketone		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
RLP 022 1124															
RLP 024 1201															
RLP 026 1204															
RLP 028 3092															
RLP 029 3093															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 9145 - Lockheed Martin - Space Systems Co

Activity Number: PER20020003

Permit Number: 2740

Air - Minor (Synthetic) Modification

All phases

Subject Item	Methylene diphenyl diisocyanate			Nitric acid			Styrene			Tetrachloroethylene			Toluene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
RLP 022 1124	0.004	0.200	< 0.01										< 0.001	0.075	< 0.01
RLP 024 1201	0.003	1.14	0.01										< 0.001	0.160	< 0.01
RLP 026 1204	0.003	1.137	0.01										< 0.001	2.44	< 0.01
RLP 028 3092	0.001	0.660	< 0.001	< 0.001	< 0.001	< 0.001							0.009	2.436	0.004
RLP 029 3093	< 0.001												0.003	0.250	0.004

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 9145 - Lockheed Martin - Space Systems Co

Activity Number: PER20020003

Permit Number: 2740

Air - Minor (Synthetic) Modification

All phases

Subject Item	Toluene-2,4-diisocyanate			Trichloroethylene			Xylene (mixed isomers)			n-Hexane			n-butyl alcohol		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
RLP 022															
1124															
RLP 024															
1201															
RLP 026															
1204															
RLP 028															
3092															
RLP 029															
3093															

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

1,1,1-Trichloroethane: 0.21 tons/yr

Ammonia: <0.01 tons/yr

Benzene: <0.01 tons/yr

Chlorobenzene: <0.01 tons/yr

Chromium VI (and compounds): <0.01 tons/yr

Dichloromethane: <0.01 tons/yr

Ethy benzene: <0.30 tons/yr

Ethylene glycol: <0.10 tons/yr

Glycol ethers (Table 51.1): <0.90 tons/yr

Hydrochloric acid: 0.04 tons/yr

Hydroquinone: <0.01 tons/yr

Methanol: <0.20 tons/yr

Methyl ethyl ketone: 7.30 tons/yr

Methyl isobutyl ketone: <1.20 tons/yr

Methylene diphenyl diisocyanate: 0.03 tons/yr

n-Butane: <0.10 tons/yr

Nitric acid: 0.04 tons/yr

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 9145 - Lockheed Martin - Space Systems Co

Activity Number: PER20020003

Permit Number: 2740

Air - Minor (Synthetic) Modification

All phases

Styrene: 0.01 tons/yr
Tetrachloroethylene: <0.01 tons/yr
Toluene-2,4-diisocyanate: 0.01 tons/yr
Toluene: 0.87 tons/yr
Toxic air pollutants (TAP): 10.40 tons/yr
Trichloroethylene: 0.30 tons/yr
Xylene (mixed isomers): <0.85 tons/yr

Emission Rates Notes:

SPECIFIC REQUIREMENTS

Alt ID: 9145 - Lockheed Martin - Space Systems Co
Activity Number: PER20020003
Permit Number: 2740
Air - Minor (Synthetic) Modification

EQT141 1017 - Vent Hood, Pultrusion Machine

- 1 Reduce emissions, where feasible, by incineration, provided 90 percent of the carbon in the organic compounds being incinerated is oxidized to carbon dioxide (except as provided in LAC 33:III.2123.D); carbon adsorption of the organic compounds; or any other equivalent means as may be approved by DEQ. [LAC 33:III.2123.A]
- 2 Organic solvent recordkeeping by electronic or hard copy monthly. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years. [LAC 33:III.2123.F]

EQT142 1122 - Welding Training Emissions

- 3 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

EQT143 3003 - Bldg. 114 Thermal Oxidizer

- 4 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 5 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]
- 6 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
- 7 Reduce emissions, where feasible, by incineration, provided 90 percent of the carbon in the organic compounds being incinerated is oxidized to carbon dioxide (except as provided in LAC 33:III.2123.D); carbon adsorption of the organic compounds; or any other equivalent means as may be approved by DEQ. [LAC 33:III.2123.A]
- 8 VOC, Total >= 80 % control efficiency. [LAC 33:III.2123.D.1]
Which Months: All Year Statistical Basis: None specified
- 9 Determine compliance with LAC 33:III.2123.A, C, and D by applying the test methods specified in LAC 33:III.2123.E.1 through E.6, as appropriate. [LAC 33:III.2123.E]
- 10 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years. [LAC 33:III.2123.F]
- 11 Temperature monitored by technically sound method continuously This is the temperature of the combustion chamber (at the afterburner) of Bldg. 114 thermal oxidizer, Emission Point 3003. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 12 Temperature >= 1350 F, the temperature at the combustion chamber of Bldg. 114 thermal oxidizer, Emission Point 3003 (EQT143). This minimum temperature is a surrogate for an incineration destruction efficiency of at least 90% (relationship confirmed by the results of a stack test approved by LDEQ). Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the temperature falls below the minimum listed in this specific condition. [LAC 33:III.501.C.6]
- 13 Temperature recordkeeping by electronic or hard copy continuously. Keep record on site for at least two years for the temperature at the combustion chamber of Bldg. 114 thermal oxidizer, Emission Point 3003 (EQT143) to demonstrate compliance with the minimum temperature of 1350 F. Make records available to a representative of DEQ. [LAC 33:III.501.C.6]

EQT144 4001 - S-5 Autoclave

SPECIFIC REQUIREMENTS

A ID: 9145 - Lockheed Martin - Space Systems Co
Activity Number: PER20020003
Permit Number: 2740
Air - Minor (Synthetic) Modification

EQT144 4001 - S-5 Autoclave

- 14 Acetone <= 0.199 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average
- 15 Acetone <= 12.748 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly maximum
- 16 Acetone <= 0.31 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

FUG001 1900 - Fugitives Site Wide, Cleaning and Miscellaneous Hand Work

- 17 Reduce emissions, where feasible, by incineration, provided 90 percent of the carbon in the organic compounds being incinerated is oxidized to carbon dioxide (except as provided in LAC 33:III.2123.D); carbon adsorption of the organic compounds; or any other equivalent means as may be approved by DEQ. [LAC 33:III.2123.A]
- 18 Organic solvent recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years. [LAC 33:III.2123.F]
- 19 Acetone <= 0.209 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average
- 20 Acetone <= 3,000 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly maximum
- 21 Acetone <= 0.91 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 22 Dichlorodifluoromethane <= 0.002 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average
- 23 Dichlorodifluoromethane <= 0.707 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly maximum
- 24 Dichlorodifluoromethane < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

GRP024 Engineering Spray Booth

- 25 Acetone <= 0.174 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average
- 26 Acetone <= 3,000 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly maximum
- 27 Acetone <= 0.18 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

GRP025 Epoxy Primer Spray Booth

- 28 Acetone <= 0.033 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average
- 29 Acetone <= 3,000 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly maximum

SPECIFIC REQUIREMENTS

A ID: 9145 - Lockheed Martin - Space Systems Co
Activity Number: PER20020003
Permit Number: 2740
Air - Minor (Synthetic) Modification

GRP025 Epoxy Primer Spray Booth

30 Acetone <= 0.10 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

GRP026 Commodity Shop Spray Booth

31 Acetone <= 0.10 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
32 Acetone <= 0.033 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average
33 Acetone <= 0.227 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly maximum

GRP028 PRIMARY PRODUCTION & PROCESSES Area

- 34 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]
- 35 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]
- 36 Organic solvent: High performance primers used on manned space flight hardware is exempt from the 3.5 lb/gal limitation. [LAC 33:III.2123.A]
- 37 VOC, Total >= 80 % control efficiency. [LAC 33:III.2123.D.1]
Which Months: All Year Statistical Basis: None specified
- 38 Determine the effectiveness of the capture system (i.e. capture efficiency) using the procedure specified in LAC 33:III.2123.E.6. [LAC 33:III.2123.D.1]
- 39 Organic solvent recordkeeping by electronic or hard copy monthly. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years. [LAC 33:III.2123.F]
- 40 Comply with the requirements of LAC 33:III.2123 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2123 as a result of a revision of LAC 33:III.2123. [LAC 33:III.2123.H]
- 41 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]
- 42 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited. [LAC 33:III.2901.D]
- 43 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. [LAC 33:III.2901.F]
- 44 Methyl ethyl ketone <= 7.30 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 45 Carbon monoxide <= 0.45 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 46 Hydroquinone < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS

AI ID: 9145 - Lockheed Martin - Space Systems Co

Activity Number: PER2002003

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Air - Minor (Synthetic) Modification

GRP028 PRIMARY PRODUCTION & PROCESSES Area

- 47 Benzene < 0.01 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 48 Nitrogen oxides <= 0.75 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 49 Particulate matter (10 microns or less) <= 3.93 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 50 Chlorobenzene < 0.01 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 51 Ethylene glycol < 0.10 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 52 Styrene <= 0.01 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 53 Sulfur dioxide < 0.01 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 54 Toluene-2,4-diisocyanate <= 0.01 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 55 Methanol < 0.20 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 56 Ethyl benzene < 0.30 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 57 Methyl isobutyl ketone < 1.20 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 58 Glycol ethers (Table 51.1) < 0.90 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 59 n-Hexane < 0.10 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 60 VOC, Total <= 22.53 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 61 The combined total of all Toxic air pollutants (TAP) <= 10.40 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 62 Glycol ethers (Table 51.3) < 0.50 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 63 Xylyne (mixed isomers) < 0.85 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 64 n-butyl alcohol < 1.00 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 65 Tetrachloroethylene < 0.01 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 66 Nitric acid <= 0.04 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS

AI ID: 9145 - Lockheed Martin - Space Systems Co

Activity Number: PER2002003

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Air - Minor (Synthetic) Modification

GRP028 PRIMARY PRODUCTION & PROCESSES Area

- 67 Methylene diphenyl diisocyanate ≤ 0.03 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 68 Toxic air pollutants (TAP): Use of any material containing a TAP listed in Tables 51.1, 51.2, or 51.3 of LAC 33:III.5112 shall be permitted provided that its use does not cause the total annual emissions of TAPs to exceed 10.40 tons/yr. Total emission of any TAP for which this permit does not list a facility-wide shall be limited, during any twelve consecutive month period, to the Minimum Emission Rate (MER) for that TAP as listed in Table 51.1 of LAC 33:III.5112. These emissions shall be calculated by the same methods initially used in estimating these emissions, or using the latest approved suitable methods (mass balance, emission factors, test results, etc.,...). Noncompliance with any or both of these limitations is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if either or both of the annual total TAP exceeds the corresponding maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
- 69 Toxic air pollutants (TAP) recordkeeping by electronic or hard copy monthly. Keep records of the total emissions of the individual, and the combined Toxic air pollutants (TAP) from the contiguous facility monthly, as well as the total for the twelve consecutive month period. Retain records of emissions calculations, at the source, or at an alternate location approved by DEQ, for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.501.C.6]
- 70 Toxic air pollutants (TAP): The total emission of any individual, and the combined total of all Toxic air pollutants (TAP) from the contiguous facility shall not exceed 9.5 tons and 12.79 tons, respectively, during any twelve consecutive month period. These emissions shall be generated by the same method(s) used in calculating the initial estimates, or using the latest approved suitable methods (mass balance, emission factors, test results, etc.,...). Total emission of any TAP for which this permit does not list a facility-wide shall be limited, during any twelve consecutive month period, to the Minimum Emission Rate (MER) for that TAP as listed in Table 51.1 of LAC 33:III.5112. Noncompliance with any or both of these limitations is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if either or both of these annual TAPs emissions total exceeds the corresponding maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
- 71 1,1,1-Trichloroethane ≤ 0.21 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 72 Ammonia < 0.01 tons/yr. [LAC 33:III.501.C.6]
- 73 Which Months: All Year Statistical Basis: Annual maximum
Trichloroethylene ≤ 0.30 tons/yr. [LAC 33:III.501.C.6]
- 74 Which Months: All Year Statistical Basis: Annual maximum
Chromium VI (and compounds) < 0.01 tons/yr. [LAC 33:III.501.C.6]
- 75 Which Months: All Year Statistical Basis: Annual maximum
Dichloromethane < 0.01 tons/yr. [LAC 33:III.501.C.6]
- 76 Which Months: All Year Statistical Basis: Annual maximum
Hydrochloric acid ≤ 0.04 tons/yr. [LAC 33:III.501.C.6]
- 77 Which Months: All Year Statistical Basis: Annual maximum
Toluene ≤ 0.87 tons/yr. [LAC 33:III.501.C.6]
- 78 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III. Chapter 51. Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III. Chapter 51. Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]
- 79 Do not cause a violation of any ambient air standard listed in LAC 33:III. Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]
- 80 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]
- 81 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III. Chapter 51. Subchapter A. [LAC 33:III.5105.A.4]
- 82 Submit initial annual emissions report (TEDI) to DEQ within 180 days of December 20, 1991. Identify the quantity of emissions of toxic air pollutants listed in Table 51.1 for the calendar year 1991. [LAC 33:III.5107.A.1]

SPECIFIC REQUIREMENTS

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Air - Minor (Synthetic) Modification

GRP028 PRIMARY PRODUCTION & PROCESSES Area

- 83 Submit Annual Emissions Report (TEDI): Due annually, by the 1st of July, to the Office of Environmental Assessment, Air Quality Assessment Division, in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]
- 84 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]
- 85 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]
- 86 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923. [LAC 33:III.5107.B.2]
- 87 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services, SPOC, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:III.3923. [LAC 33:III.5107.B.3]
- 88 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.i through viii. [LAC 33:III.5107.B.4]
- 89 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]
- 90 Apply for a permit in accordance with LAC 33:III.5111.B, for any existing major source which is operating without a Louisiana Air Permit, or which is not fully permitted, or for any minor source that was once a major source. [LAC 33:III.5111.A.4]
- 91 Submit notification in writing: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up. [LAC 33:III.5113.A.1]
- 92 Submit notification in writing: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source. [LAC 33:III.5113.A.2]
- 93 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 94 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 95 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 96 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 97 Submit certified letter: Due to the Office of Environmental Assessment, Air Quality Assessment Division, before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]

SPECIFIC REQUIREMENTS

AI ID: 9145 - Lockheed Martin - Space Systems Co
Activity Number: PER20020003
Permit Number: 2740
Air - Minor (Synthetic) Modification

GRP028 PRIMARY PRODUCTION & PROCESSES Area

- 98 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 99 Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 100 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 101 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 102 Submit performance evaluation report: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]
- 103 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]
- 104 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]
- 105 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]
- 106 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]
- 107 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]
- 108 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]
- 109 Submit plan: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]
- 110 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]
- 111 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority. [LAC 33:III.5611.A]
- 112 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations. [LAC 33:III.5611.B]

SPECIFIC REQUIREMENTS

AI ID: 9145 - Lockheed Martin - Space Systems Co

Activity Number: PER20020003

Permit Number: 2740

Air - Minor (Synthetic) Modification

PRIMARY PRODUCTION & PROCESSES Area

113 Install air pollution control systems whenever practical, technologically possible, and economically feasible. When systems have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded.^[1]

The Michoud Assembly Facility (MAF) shall continue to comply with all provisions of the compliance plan CC92036. The plan's MACT calls for:^[1]

1. Reduction of trichloroethylene (TCE) emissions below the Minimum Emission Rate (MER), by chemical substitution and process elimination,^[1]
2. Elimination of methylene chloride emissions by chemical substitution and process elimination, and^[1]
3. Reduction of ammonia emissions below the MER. [LAC 33:III.905]

114 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D [LAC 33:III.919.D]

115 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]

116 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]

RLP012 1003 - Fume Hood, Tech Ops Pour Room

117 Reduce emissions, where feasible, by incineration, provided 90 percent of the carbon in the organic compounds being incinerated is oxidized to carbon dioxide (except as provided in LAC 33:III.2123.D); carbon adsorption of the organic compounds; or any other equivalent means as may be approved by DEQ. [LAC 33:III.2123.A]

118 Organic solvent recordkeeping by electronic or hard copy monthly. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years. [LAC 33:III.2123.F]

RLP013 1013 - Fume Hood, Clean Room

119 Reduce emissions, where feasible, by incineration, provided 90 percent of the carbon in the organic compounds being incinerated is oxidized to carbon dioxide (except as provided in LAC 33:III.2123.D); carbon adsorption of the organic compounds; or any other equivalent means as may be approved by DEQ. [LAC 33:III.2123.A]

120 Organic solvent recordkeeping by electronic or hard copy monthly. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years. [LAC 33:III.2123.F]

RLP014 1105 - Vents, Adhesive Bonding Ovens

121 Reduce emissions, where feasible, by incineration, provided 90 percent of the carbon in the organic compounds being incinerated is oxidized to carbon dioxide (except as provided in LAC 33:III.2123.D); carbon adsorption of the organic compounds; or any other equivalent means as may be approved by DEQ. [LAC 33:III.2123.A]

122 Organic solvent recordkeeping by electronic or hard copy monthly. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years. [LAC 33:III.2123.F]

RLP015 1108 - Vent, SOFI/SLA Application & Closeout

123 Reduce emissions, where feasible, by incineration, provided 90 percent of the carbon in the organic compounds being incinerated is oxidized to carbon dioxide (except as provided in LAC 33:III.2123.D); carbon adsorption of the organic compounds; or any other equivalent means as may be approved by DEQ. [LAC 33:III.2123.A]

124 Organic solvent recordkeeping by electronic or hard copy monthly. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years. [LAC 33:III.2123.F]

SPECIFIC REQUIREMENTS

AI ID: 9145 - Lockheed Martin - Space Systems Co
Activity Number: PIER20020003
Permit Number: 2740

Air - Minor (Synthetic) Modification

RLP015 1108 - Vent, SOFI/SLA Application & Closeout

125 Acetone <= 0.004 lb/hr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Hourly average

126 Acetone <= 0.549 lb/hr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Hourly maximum

127 Acetone <= 0.01 tons/yr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum

RLP018 1112 - Exhaust, Gun Cleaning Room

128 Reduce emissions, where feasible, by incineration, provided 90 percent of the carbon in the organic compounds being incinerated is oxidized to carbon dioxide (except as provided in LAC 33:III.2123.D); carbon adsorption of the organic compounds; or any other equivalent means as may be approved by DEQ. [LAC 33:III.2123.A]
129 Organic solvent recordkeeping by electronic or hard copy monthly. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years. [LAC 33:III.2123.F]

130 Acetone <= 0.128 lb/hr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Hourly average

131 Acetone <= 7.000 lb/hr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Hourly maximum

132 Acetone <= 0.24 tons/yr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum

RLP020 1120 - Cell E Exhaust Stack

133 Reduce emissions, where feasible, by incineration, provided 90 percent of the carbon in the organic compounds being incinerated is oxidized to carbon dioxide (except as provided in LAC 33:III.2123.D); carbon adsorption of the organic compounds; or any other equivalent means as may be approved by DEQ. [LAC 33:III.2123.A]
134 Organic solvent recordkeeping by electronic or hard copy monthly. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years. [LAC 33:III.2123.F]

RLP021 1123 - Cell K Primer Mix Fume Hood

135 Reduce emissions, where feasible, by incineration, provided 90 percent of the carbon in the organic compounds being incinerated is oxidized to carbon dioxide (except as provided in LAC 33:III.2123.D); carbon adsorption of the organic compounds; or any other equivalent means as may be approved by DEQ. [LAC 33:III.2123.A]
136 Organic solvent recordkeeping by electronic or hard copy monthly. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years. [LAC 33:III.2123.F]

RLP022 1124 - SOFI Shop Fume Hood

137 Reduce emissions, where feasible, by incineration, provided 90 percent of the carbon in the organic compounds being incinerated is oxidized to carbon dioxide (except as provided in LAC 33:III.2123.D); carbon adsorption of the organic compounds; or any other equivalent means as may be approved by DEQ. [LAC 33:III.2123.A]
138 Organic solvent recordkeeping by electronic or hard copy monthly. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years. [LAC 33:III.2123.F]

RLP023 1200A - Engineering Spray Booth Filter Bank No. A

SPECIFIC REQUIREMENTS

A ID: 9145 - Lockheed Martin - Space Systems Co

Activity Number: PER20020003

Permit Number: 2740

Air - Minor (Synthetic) Modification

RLP023

1200A - Engineering Spray Booth Filter Bank No. A

- 139 Reduce emissions, where feasible, by incineration, provided 90 percent of the carbon in the organic compounds being incinerated is oxidized to carbon dioxide (except as provided in LAC 33:III.2123.D); carbon adsorption of the organic compounds; or any other equivalent means as may be approved by DEQ. [LAC 33:III.2123.A]
- 140 Organic solvent recordkeeping by electronic or hard copy monthly. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years. [LAC 33:III.2123.F]

RLP024

1201 - AMT Development Spray Booth

- 141 Reduce emissions, where feasible, by incineration, provided 90 percent of the carbon in the organic compounds being incinerated is oxidized to carbon dioxide (except as provided in LAC 33:III.2123.D); carbon adsorption of the organic compounds; or any other equivalent means as may be approved by DEQ. [LAC 33:III.2123.A]
- 142 Organic solvent recordkeeping by electronic or hard copy monthly. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years. [LAC 33:III.2123.F]
- 143 Acetone <= 0.174 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average
- 144 Acetone <= 3,000 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly maximum
- 145 Acetone <= 0.18 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

RLP025

1203A - Epoxy Primer Spray Booth Filter Bank No. A

- 146 Reduce emissions, where feasible, by incineration, provided 90 percent of the carbon in the organic compounds being incinerated is oxidized to carbon dioxide (except as provided in LAC 33:III.2123.D); carbon adsorption of the organic compounds; or any other equivalent means as may be approved by DEQ. [LAC 33:III.2123.A]
- 147 Organic solvent recordkeeping by electronic or hard copy monthly. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years. [LAC 33:III.2123.F]

RLP026

1204 - SOFI Application Spray Room

- 148 Reduce emissions, where feasible, by incineration, provided 90 percent of the carbon in the organic compounds being incinerated is oxidized to carbon dioxide (except as provided in LAC 33:III.2123.D); carbon adsorption of the organic compounds; or any other equivalent means as may be approved by DEQ. [LAC 33:III.2123.A]
- 149 Organic solvent recordkeeping by electronic or hard copy monthly. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years. [LAC 33:III.2123.F]
- 150 Acetone <= 0.028 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average
- 151 Acetone <= 3,000 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly maximum
- 152 Acetone <= 0.12 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

RLP027

1206A - Commodity Shop Spray Booth Filter Bank A

- 153 Reduce emissions, where feasible, by incineration, provided 90 percent of the carbon in the organic compounds; or any other equivalent means as may be approved by DEQ. [LAC 33:III.2123.A]

SPECIFIC REQUIREMENTS

AI ID: 9145 - Lockheed Martin - Space Systems Co
Activity Number: PER2002003
Permit Number: 2740

Air - Minor (Synthetic) Modification

RLP027 1206A - Commodity Shop Spray Booth Filter Bank A

154 Organic solvent recordkeeping by electronic or hard copy monthly. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years. [LAC 33:III.2123.F]

RLP028 3092 - Bldg. 110 Exhaust

- 155 Acetone <= 0.028 lb/hr. [LAC 33:II.501.C.6]
Which Months: All Year Statistical Basis: Hourly average
- 156 Acetone <= 3.000 lb/hr. [LAC 33:II.501.C.6]
Which Months: All Year Statistical Basis: Hourly maximum
- 157 Acetone <= 0.12 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

RLP029 3093 - Bldg. 114 Exhaust

- 158 Reduce emissions, where feasible, by incineration, provided 90 percent of the carbon in the organic compounds being incinerated is oxidized to carbon dioxide (except as provided in LAC 33:III.2123.D); carbon adsorption of the organic compounds; or any other equivalent means as may be approved by DEQ. [LAC 33:III.2123.A]
- 159 Organic solvent recordkeeping by electronic or hard copy monthly. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years. [LAC 33:III.2123.F]

- 160 Acetone <= 0.043 lb/hr. [LAC 33:II.501.C.6]
Which Months: All Year Statistical Basis: Hourly average

- 161 Acetone <= 3.000 lb/hr. [LAC 33:II.501.C.6]
Which Months: All Year Statistical Basis: Hourly maximum
- 162 Acetone <= 0.19 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

RLP030 1200B - Engineering Spray Booth Filter Bank No. B

- 163 Reduce emissions, where feasible, by incineration, provided 90 percent of the carbon in the organic compounds being incinerated is oxidized to carbon dioxide (except as provided in LAC 33:III.2123.D); carbon adsorption of the organic compounds; or any other equivalent means as may be approved by DEQ. [LAC 33:III.2123.A]
- 164 Organic solvent recordkeeping by electronic or hard copy monthly. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years. [LAC 33:III.2123.F]

RLP031 1203B - Epoxy Primer Spray Booth Filter Bank No. B

- 165 Reduce emissions, where feasible, by incineration, provided 90 percent of the carbon in the organic compounds being incinerated is oxidized to carbon dioxide (except as provided in LAC 33:III.2123.D); carbon adsorption of the organic compounds; or any other equivalent means as may be approved by DEQ. [LAC 33:III.2123.A]
- 166 Organic solvent recordkeeping by electronic or hard copy monthly. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years. [LAC 33:III.2123.F]

RLP032 1206B - Commodity Shop Spray Booth Filter Bank B

- 167 Reduce emissions, where feasible, by incineration, provided 90 percent of the carbon in the organic compounds being incinerated is oxidized to carbon dioxide (except as provided in LAC 33:III.2123.D); carbon adsorption of the organic compounds; or any other equivalent means as may be approved by DEQ. [LAC 33:III.2123.A]

SPECIFIC REQUIREMENTS

AI ID: 9145 - Lockheed Martin - Space Systems Co

Activity Number: PER20020003

Permit Number: 2740

Air - Minor (Synthetic) Modification

RLP034

1206B - Commodity Shop Spray Booth Filter Bank B

168 Organic solvent recordkeeping by electronic or hard copy monthly. Keep records of the information specified in LAC 33:III.2123 F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years. [LAC 33:III.2123.F]